

**1.2.5 2008 Buildings Energy End-Use Expenditure Splits, by Fuel Type (\$2009 Billion) (1)**

|                     | Natural      | Petroleum   |            |             |            |             | Coal       | Electricity  | Total        | Percent     |
|---------------------|--------------|-------------|------------|-------------|------------|-------------|------------|--------------|--------------|-------------|
|                     | Gas          | Distil.     | Resid.     | LPG         | Oth(2)     | Total       |            |              |              |             |
| Space Heating (3)   | 65.0         | 17.1        | 1.2        | 7.6         | 0.6        | 26.4        | 0.2        | 22.8         | 114.4        | 25.5%       |
| Lighting            |              |             |            |             |            |             |            | 63.2         | 63.2         | 14.1%       |
| Water Heating (4)   | 23.3         | 3.1         |            | 2.5         |            | 5.6         |            | 18.6         | 47.6         | 10.6%       |
| Space Cooling       | 0.4          |             |            |             |            |             |            | 55.7         | 56.1         | 12.5%       |
| Refrigeration (5)   |              |             |            |             |            |             |            | 27.4         | 27.4         | 6.1%        |
| Electronics (6)     |              |             |            |             |            |             |            | 25.1         | 25.1         | 5.6%        |
| Ventilation (7)     |              |             |            |             |            |             |            | 16.2         | 16.2         | 3.6%        |
| Cooking             | 4.9          |             |            | 0.9         |            | 0.9         |            | 8.4          | 14.2         | 3.2%        |
| Computers           |              |             |            |             |            |             |            | 12.5         | 12.5         | 2.8%        |
| Wet Cleaning (8)    | 0.7          |             |            |             |            |             |            | 10.4         | 11.1         | 2.5%        |
| Other (9)           | 3.4          | 0.3         |            | 8.2         | 1.2        | 9.7         |            | 24.4         | 37.6         | 8.4%        |
| Adjust to SEDS (10) | 8.8          | 4.0         |            |             |            | 4.0         |            | 10.5         | 23.3         | 5.2%        |
| <b>Total</b>        | <b>106.7</b> | <b>24.5</b> | <b>1.2</b> | <b>19.2</b> | <b>1.8</b> | <b>46.7</b> | <b>0.2</b> | <b>295.2</b> | <b>448.7</b> | <b>100%</b> |

Note(s): 1) Expenditures include coal and exclude wood. 2) Includes kerosene space heating (\$0.6 billion) and motor gasoline other uses (\$1.2 billion). 3) Includes furnace fans (\$4.5 billion). 4) Includes residential recreation water heating (\$1.4 billion). 5) Includes refrigerators (\$24.8 billion) and freezers (\$2.6 billion). 6) Includes color televisions (\$11.0 billion) and other electronics (\$14.1 billion). 7) Commercial only; residential fan and pump energy use included proportionately in space heating and cooling. 8) Includes clothes washers (\$1.1 billion), natural gas clothes dryers (\$0.7 billion), electric clothes dryers (\$6.2 billion) and dishwashers (\$3.1 billion). 9) Includes residential small electric devices, heating elements, motors, swimming pool heaters, hot tub heaters, outdoor grills, and natural gas outdoor lighting. Includes commercial services station equipment, ATMs, telecommunications equipment, medical equipment, pumps, lighting, emergency electric generators, manufacturing performed in commercial buildings. 10) Expenditures related to an energy adjustment EIA uses to relieve discrepancies between data sources. Energy attributable to the residential and commercial buildings sectors, but not directly to specific end-uses.

Source(s): EIA, Annual Energy Outlook 2011 Early Release, Dec. 2010, Summary Reference Case Tables, Table A2, p. 3-5, Table A3, p. 6-8 for prices, Table A4, p. 9-10 for residential energy consumption, and Table A5, p. 11-12 for commercial energy consumption; EIA, National Energy Modeling System (NEMS) for AEO 2011 Early Release, Dec. 2010; EIA, State Energy Data 2008: Prices and Expenditures, June 2010, p. 24-25 for coal prices; EIA, Annual Energy Review 2009, August 2010, Appendix D, p. 383 for price deflators; BTS/A.D. Little, Electricity Consumption by Small End-Uses in Residential Buildings, Aug. 1998, Appendix A for residential Auxiliary Equipment, and Ventilation, Oct. 1999, p. 1-2, 5-25 and 5-26 for commercial ventilation; and BTP/Navigant Consulting, U.S. Lighting Market Characterization, Volume I, Sept. 2002, Table 8-2, p. 63 for commercial lighting.